

Patent Abstracts of Japan

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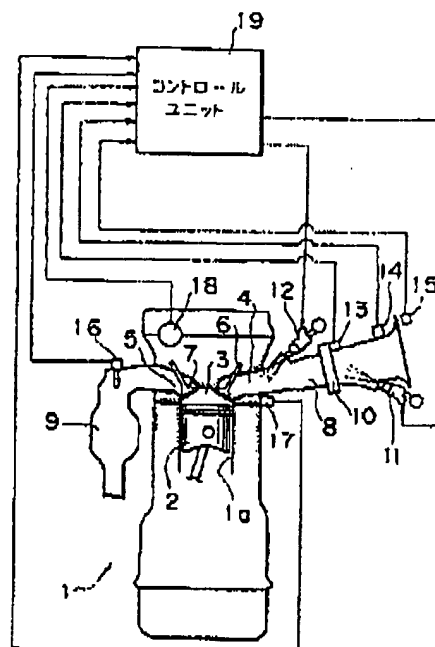
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TITLE : ENGINE FUEL CONTROL DEVICE



ABSTRACT : **PURPOSE:** To supply fuel properly at all times by arranging fuel injection valves respectively upstream and downstream of an air intake passage, and taking a proportional element into consideration largely in the case of calculating feedback coefficient of fuel injection control from an upstream part fuel injection valve.

CONSTITUTION: An upstream part fuel injection valve 11 is arranged upstream of a throttle valve 10 of an air intake passage 8, and a downstream part fuel injection valve 12 is arranged downstream of the air intake passage 8, and in order to control fuel injection from these fuel injection valves 11 and 12, a ECU 19 is provided, and basic fuel injection volume TP is determined from a previously prepared map, and this is corrected by means of various correction factors set according to operating conditions. Next, the ratio (k) of the fuel injection volume from the upstream part fuel injection valve 11 is calculated against the total fuel injection volume, and the distribution ratio of a proportional element and an integral element as feedback control volume against the upstream part fuel injection valve 11 is also calculated with regard to the fuel injection valve 11. This distribution ratio is changed according to throttle opening, and is decreased as the throttle opening becomes small.

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